

### ILONA-ZOOM

An infinitely adjustable beam from 13 to 48 degrees.

#### SPECIFICATION:

Dimensions	Ø 52.5 mm
Height	33.2 mm
Fastening	socket
ROHS compliant	yes ⓘ



#### MATERIALS:

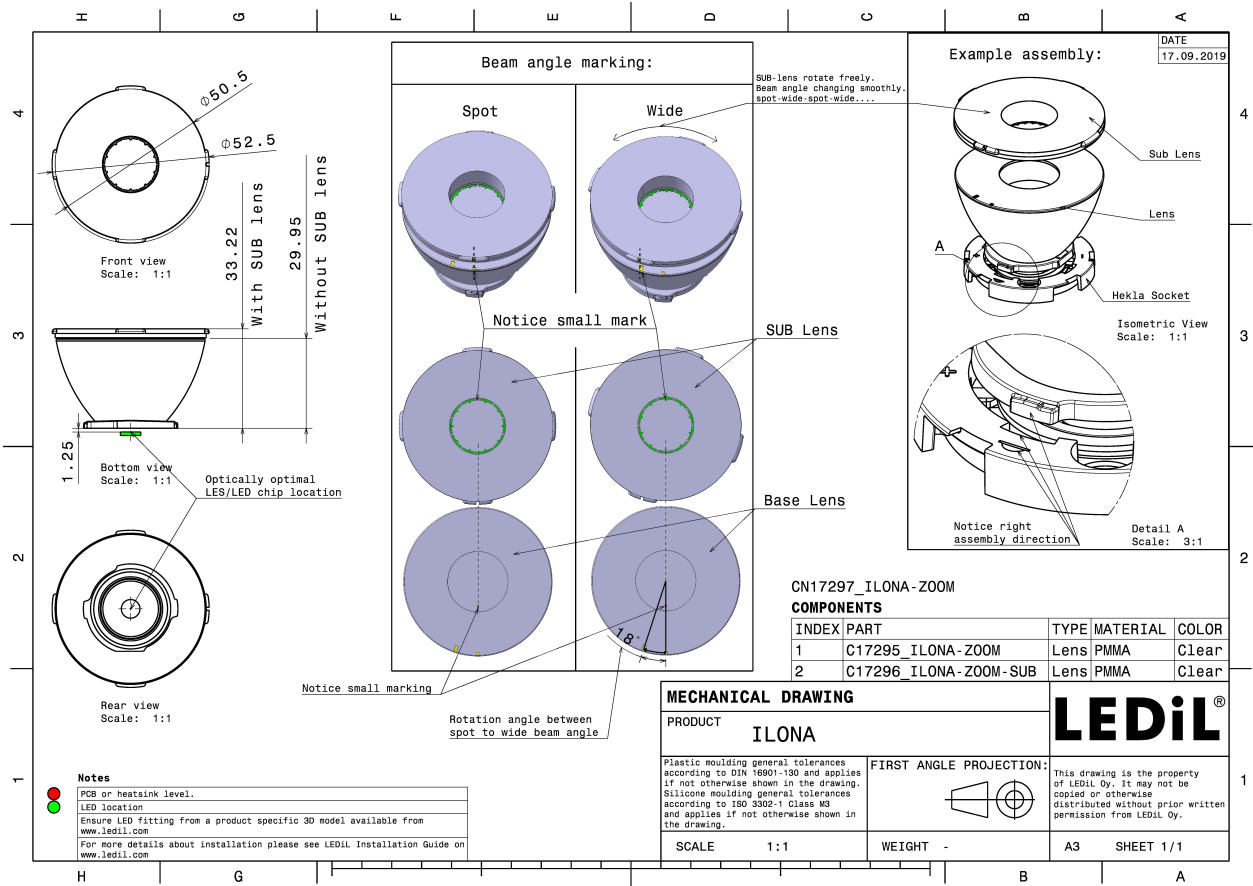
Component	Type	Material	Colour	Finish
C17295_ILONA-ZOOM	Single lens	PMMA	clear	
C17296_ILONA-ZOOM-SUB	Sublens	PMMA	clear	

#### ORDERING INFORMATION:

##### Quantities for one set:



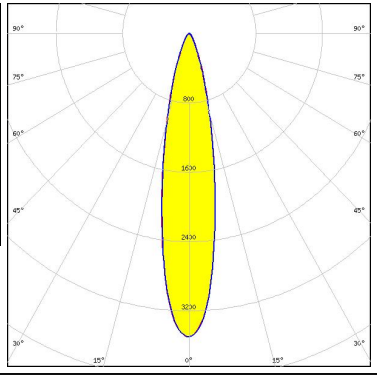


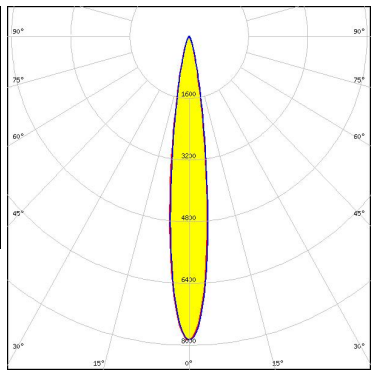


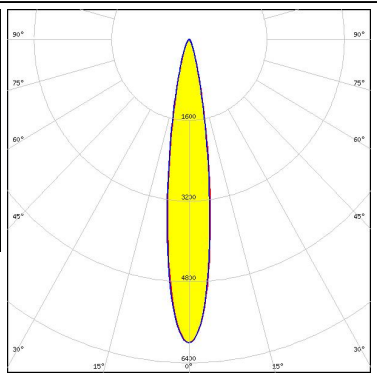


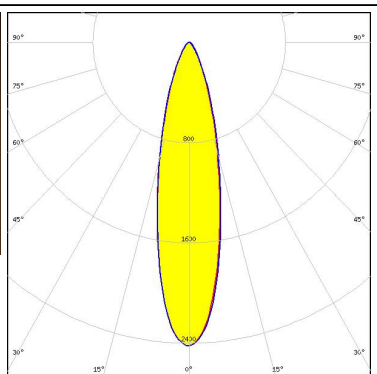
Single lens	1
Sublens	1

Component		Qty in box	MOQ	MPQ	Box weight (kg)
C17295_ILONA-ZOOM	Single lens	264	33	33	9.7
» Box size: 480 x 280 x 300 mm					
C17296_ILONA-ZOOM-SUB	Sublens	264	33	33	2.4
» Box size: 480 x 280 x 185 mm					



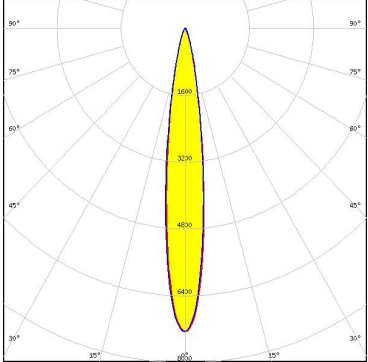


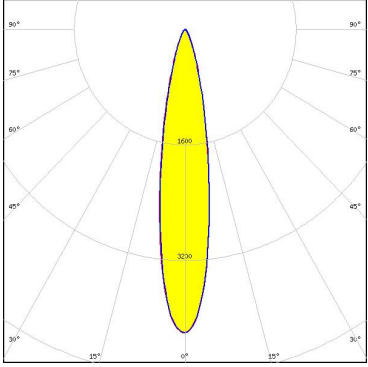
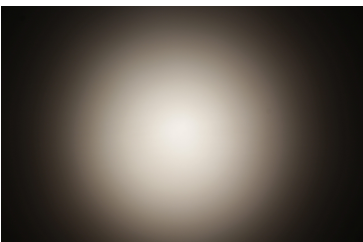
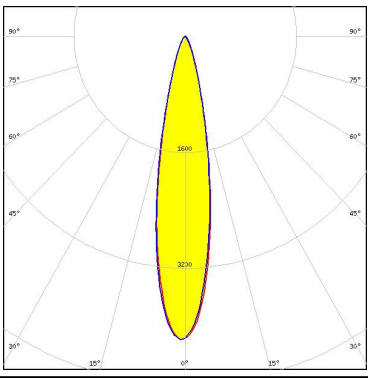

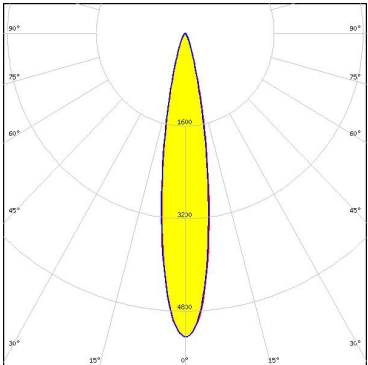


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):

<p></p> <p>LED V11 HD Gen 8</p> <p>FWHM / FWTM 21.0 + 46.0° / 45.0 + 88.0°</p> <p>Efficiency 78 %</p> <p>Peak intensity 3.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 633d Hekla</p>		
<p></p> <p>LED V6 HD Gen 7</p> <p>FWHM / FWTM 14.0 + 48.0° / 30.0 + 84.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 7.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p></p> <p>LED V8 Gen7</p> <p>FWHM / FWTM 16.0 + 46.0° / 35.0 + 83.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15253_HEKLA-SOCKET-A</p>		
<p></p> <p>LED Vesta DTW 13mm (21W)</p> <p>FWHM / FWTM 25.0 + 46.0° / 55.0 + 90.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 2.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Tunable White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 491 Typ L8</p>		

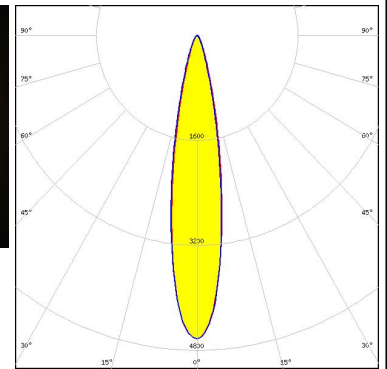
### OPTICAL RESULTS (MEASURED):

<p></p> <p>LED Vesta TW 6mm DP            FWHM / FWTM 15.0 + 48.0° / 32.0 + 84.0°            Efficiency 84 %            Peak intensity 7.3 cd/m            LEDs/each optic 1            Light colour White            Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 504 Typ L8</p>		
<p></p> <p>LED Vesta TW 9mm (9W) DP            FWHM / FWTM 19.0 + 46.0° / 42.0 + 86.0°            Efficiency 81 %            Peak intensity 4.2 cd/m            LEDs/each optic 1            Light colour Tunable White            Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 489 Typ L8</p>		
<p><b>CITIZEN</b></p> <p>LED CLL02x/CLU02x (LES10)            FWHM / FWTM 21.0 + 47.0° / 42.0 + 86.0°            Efficiency 85 %            Peak intensity 4.2 cd/m            LEDs/each optic 1            Light colour White            Required components:            F15255_HEKLA-SOCKET-C</p>		
<p><b>CITIZEN</b></p> <p>LED CLU712/713            FWHM / FWTM 19.0 + 47.0° / 37.0 + 84.0°            Efficiency 85 %            Peak intensity 5.2 cd/m            LEDs/each optic 1            Light colour White            Required components:            F15859_HEKLA-SOCKET-I</p>		

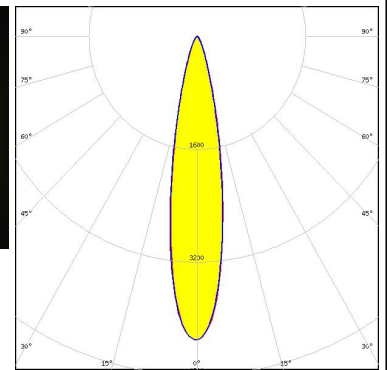
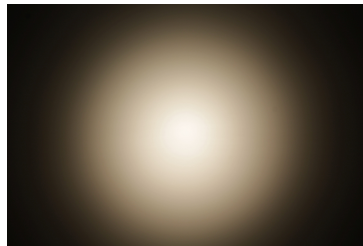
### OPTICAL RESULTS (MEASURED):



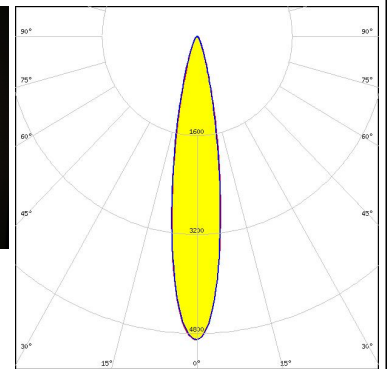
LED CMA1516  
 FWHM / FWTM 19.0 + 47.0° / 39.0 + 85.0°  
 Efficiency 85 %  
 Peak intensity 4.6 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15256\_HEKLA-SOCKET-D



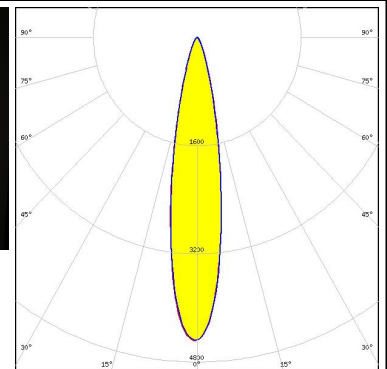
LED CMT14xx  
 FWHM / FWTM 20.0 + 46.0° / 41.0 + 85.0°  
 Efficiency 85 %  
 Peak intensity 4.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C




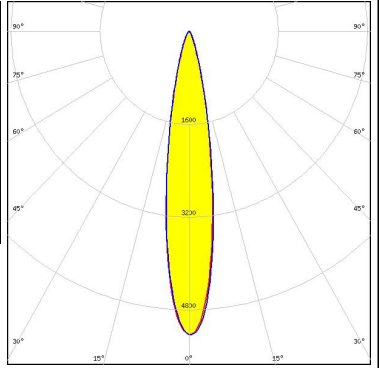

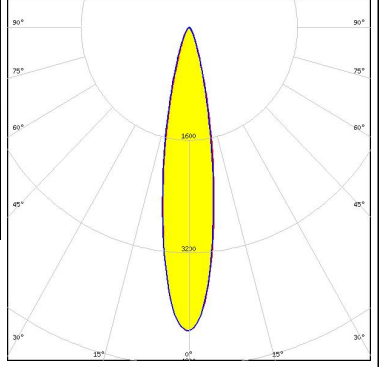

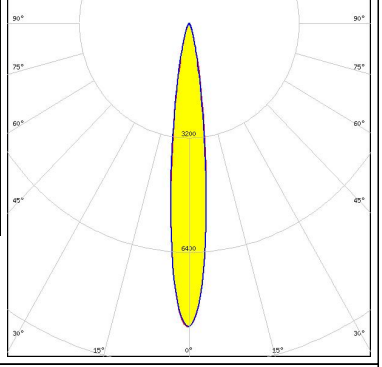

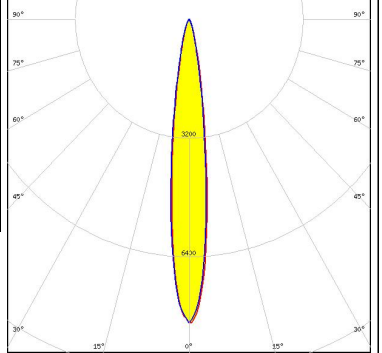
LED LUXEON CX Plus CoB M02 / M03 (Gen2)  
 FWHM / FWTM 19.0 + 47.0° / 39.0 + 85.0°  
 Efficiency 86 %  
 Peak intensity 4.9 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15256\_HEKLA-SOCKET-D





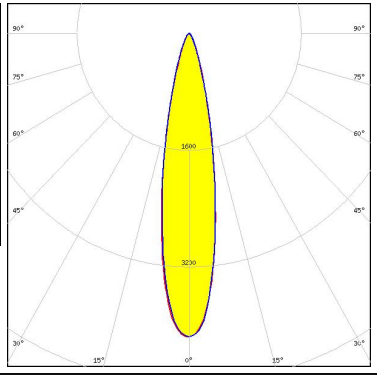

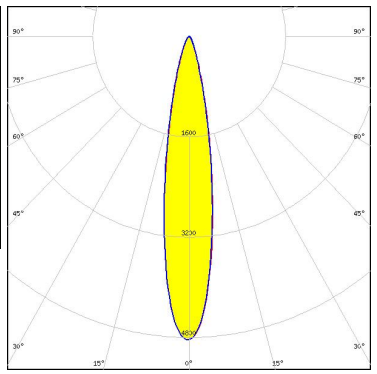
LED CxM-9 (13.5x13.5)  
 FWHM / FWTM 20.0 + 46.0° / 41.0 + 85.0°  
 Efficiency 86 %  
 Peak intensity 4.5 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



### OPTICAL RESULTS (MEASURED):

<p><b>NICHIA</b></p> <p>LED COB L-Type (LES 9)</p> <p>FWHM / FWTM 19.0 + 47.0° / 38.0 + 84.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 5.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15858_HEKLA-SOCKET-H</p>		
<p><b>SAMSUNG</b></p> <p>LED LC003D / LC006D / LC009D / LC013D</p> <p>FWHM / FWTM 20.0 + 47.0° / 42.0 + 85.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 4.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p><b>SAMSUNG</b></p> <p>LED LC010C G2</p> <p>FWHM / FWTM 14.0 + 48.0° / 30.0 + 84.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 8.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED MJT COB LES 6</p> <p>FWHM / FWTM 14.0 + 48.0° / 30.0 + 85.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 1.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17435_HEKLA-G2-C</p>		

### OPTICAL RESULTS (MEASURED):

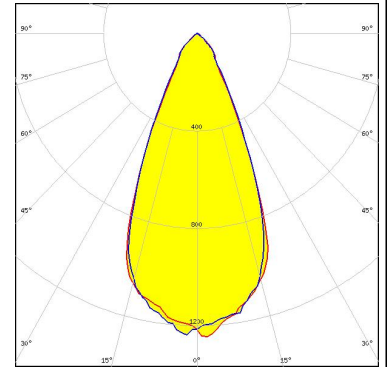
<p> SEUL SEMICONDUCTOR</p> <p>LED MJT COB LES 9.8</p> <p>FWHM / FWTM 21.0 + 47.0° / 43.0 + 86.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 4.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p><b>XICATO</b></p> <p>LED XOB 9.8 mm</p> <p>FWHM / FWTM 19.0 + 47.0° / 40.0 + 85.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 4.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		



### OPTICAL RESULTS (SIMULATED):

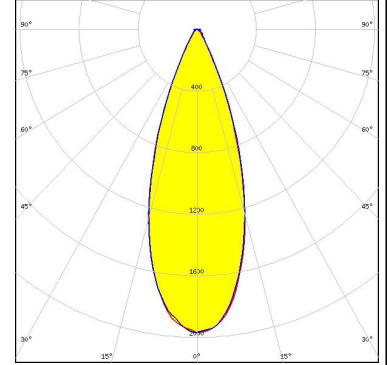
bridgelux.

LED V4 HD Gen 7  
 FWHM / FWTM 12.0 + 46.0° / 25.0 + 76.0°  
 Efficiency 82 %  
 Peak intensity 12.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15253\_HEKLA-SOCKET-A



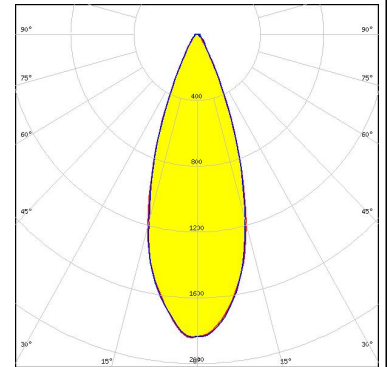
bridgelux.

LED V9 HD Gen7  
 FWHM / FWTM 18.0 + 46.0° / 34.0 + 82.0°  
 Efficiency 88 %  
 Peak intensity 6.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



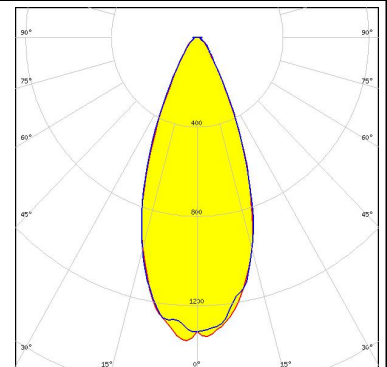
bridgelux.

LED Vesta DTW 9mm (4W/6W/12W)  
 FWHM / FWTM 18.0 + 46.0° / 36.0 + 84.0°  
 Efficiency 86 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 490 Typ L8



## CITIZEN

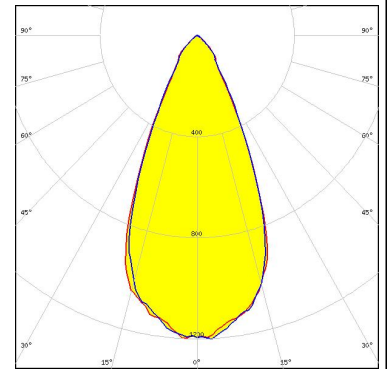
LED CLL03x/CLU03x  
 FWHM / FWTM 25.0 + 46.0° / 51.0 + 92.0°  
 Efficiency 85 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



### OPTICAL RESULTS (SIMULATED):

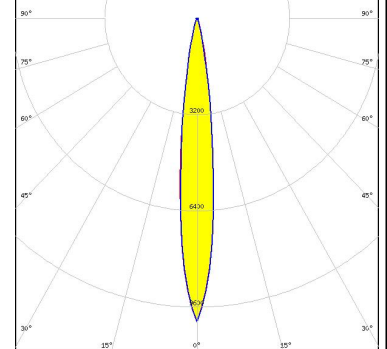
#### CITIZEN

LED CLU700/701/702/703  
 FWHM / FWTM 13.0 + 47.0° / 27.0 + 78.0°  
 Efficiency 82 %  
 Peak intensity 10 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C

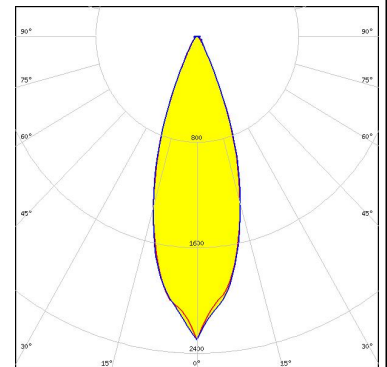


#### CITIZEN

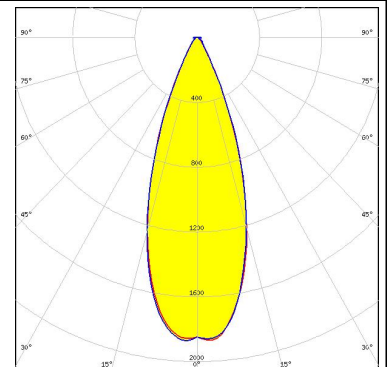
LED CLU7A2/7A3  
 FWHM / FWTM 13.0 + 48.0° / 26.0 + 83.0°  
 Efficiency 88 %  
 Peak intensity 10.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



LED CXA/B 13xx  
 FWHM / FWTM 14.0 + 47.0° / 28.0 + 80.0°  
 Efficiency 90 %  
 Peak intensity 9.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15956\_HEKLA-SOCKET-J



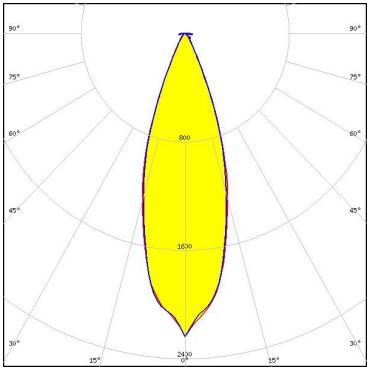
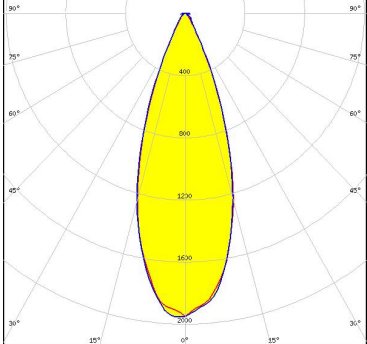
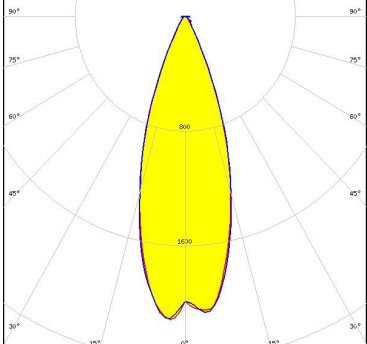
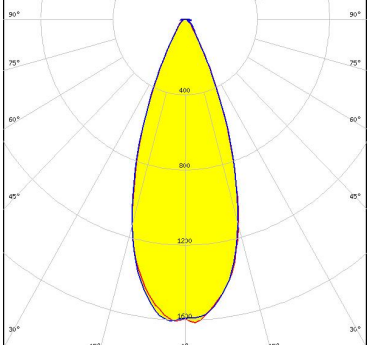
LED CXA/B 15xx  
 FWHM / FWTM 18.0 + 46.0° / 36.0 + 81.0°  
 Efficiency 89 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 F15256\_HEKLA-SOCKET-D



### OPTICAL RESULTS (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1202/1203            FWHM / FWTM 20.0 + 44.0° / 37.0 + 80.0°            Efficiency 87 %            Peak intensity 5.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F17437_HEKLA-G2-H</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON CoB 1204/1205            FWHM / FWTM 24.0 + 46.0° / 50.0 + 95.0°            Efficiency 85 %            Peak intensity 2.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 437 Typ L8</p>	
<p><b>LUMINUS</b></p> <p>LED CxM-6 (13.5x13.5)            FWHM / FWTM 14.0 + 46.0° / 30.0 + 81.0°            Efficiency 90 %            Peak intensity 8.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F17435_HEKLA-G2-C</p>	
<p><b>NICHIA</b></p> <p>LED COB S-Type (LES 7)            FWHM / FWTM 16.0 + 48.0° / 30.0 + 80.0°            Efficiency 89 %            Peak intensity 7.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:            F15848_HEKLA-SOCKET-G</p>	

### OPTICAL RESULTS (SIMULATED):

<p><b>NICHIA</b></p> <p>LED: NCSxE17A            FWHM / FWTM: 13.0 + 47.0° / 27.0 + 75.0°            Efficiency: 88 %            Peak intensity: 10 cd/lm            LEDs/each optic: 7            Light colour: White            Required components:</p>	
<p><b>SAMSUNG</b></p> <p>LED: LC010T (Tunable White)            FWHM / FWTM: 18.0 + 46.0° / 34.0 + 83.0°            Efficiency: 88 %            Peak intensity: 6.4 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 501 Typ L8</p>	
<p><b>SAMSUNG</b></p> <p>LED: LC020C            FWHM / FWTM: 14.0 + 46.0° / 28.0 + 77.0°            Efficiency: 88 %            Peak intensity: 9.2 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:            F17438_HEKLA-G2-I</p>	
<p><b>SAMSUNG</b></p> <p>LED: LC020T (Tunable white)            FWHM / FWTM: 22.0 + 46.0° / 42.0 + 85.0°            Efficiency: 86 %            Peak intensity: 4.1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:            C16142_HEKLA-SOCKET-K            Bender Wirth: 501 Typ L8</p>	

### OPTICAL RESULTS (SIMULATED):

#### TRIDONIC

LED	SLE G7 LES13
FWHM / FWTM	12.0 + 45.0° / 21.0 + 71.0°
Efficiency	88 %
Peak intensity	16.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	F17438_HEKLA-G2-I

